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Square and Cube

Numbers

Q1 $4^2 = 4 \times 4 = \mathbf{16}$ (1 mark)
 $4^3 = 4 \times 4 \times 4 = \mathbf{64}$
(1 mark)

$9^2 = 9 \times 9 = \mathbf{81}$ (1 mark)

$7^2 = 7 \times 7 = 49$ (1 mark)

Q2 **thirty six** (1 mark)

Q3 **125** should be circled.
(1 mark)

Q4 $3^2 = 3 \times 3 = 9$
 $5^2 = 5 \times 5 = 25$
 $9 + 25 = \mathbf{34}$ (1 mark)

$3^3 = 3 \times 3 \times 3 = 27$

$2^2 = 2 \times 2 = 4$

$27 - 4 = \mathbf{23}$ (1 mark)

Q5 $6^2 = 6 \times 6 = 36$
 $8^2 = 8 \times 8 = 64$
 $36 + 64 = \mathbf{100}$ (1 mark)
Yes should be circled.
 $(10^2 = 100)$ (1 mark)
 $9 + \mathbf{16} = \mathbf{25}$ (1 mark)

Q6 $\mathbf{64} + \mathbf{16} = 80$ (1 mark)
 $\mathbf{49} - \mathbf{16} = 33$ (1 mark)
 $\mathbf{81} \div 9 = 9$ (1 mark)

Q7 $3^3 = 3 \times 3 \times 3 = 27$ and
 $4^3 = 4 \times 4 \times 4 = 64$.
56 is between 27 and 64 but there are no whole numbers between 3 and 4 that could be cubed to give 56.
(2 marks for full answer.
1 mark for stating that 56 lies between 27 and 64.)

Q8 $\mathbf{49} + \mathbf{16} = 65$
and $\mathbf{1} + \mathbf{64} = 65$
(2 marks. 1 mark for each correct pair.)